

**Abstract:**

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The invention relates to a method for the preparation of *trans*- or *cis*-diammoniumdichlorodihydroxoplatinum(IV) and derivatives thereof. What is suggested is reacting *trans*- or *cis*-diammoniumdichloroplatinum(II) with a solution comprising >30% peroxide at temperatures below 30°C and dis-

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solving the product thus obtained in a mineral acid and subsequently precipitating with an alkaline solution.